

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application No.	09/785,944
	Filing Date	February 16, 2001
	First Named Inventor	Martin E. Fermann
	Art Unit	2814
(Multiple sheets used when necessary)	Examiner	Sayadian, Hrayr
SHEET 1 OF 4	Attorney Docket No.	IMRAA.015C1/IM-72C

### U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	5,187,759	02-16-1993	DiGiovanni et al.	
	2	5,333,089	07-26-1994	Heidemann	
	3	5,499,134	03-12-1996	Galvanauskas et al.	
	4	5,559,816	09-24-1996	Basting et al.	
	5	5,627,854	05-06-1997	Knox et al.	
	6	5,627,848	05-09-1997	Fermann et al.	
	7	5,818,630	10-06-1998	Fermann et al.	
	8	5,862,287	01-19-1999	Stock et al.	
	9	6,275,512	08-14-2001	Fermann	

### FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>
	10	DE 19956739 B4	02-18-2010	Fermann et al.		
	11	JP S54-121749 A	09-21-1979	Kobata et al.		
	12	JP H03-253823 A	11-12-1991	Shioda		x-abstract
	13	JP H06-059150 A	03-04-1994	Ota et al.		x-abstract
	14	JP H08-228038 A	09-03-1996	Basting et al.		
	15	JP H08-340141 A	12-24-1996	Knox et al.		
	16	JP H09-167869 A	06-24-1997	Fermann et al.		
	17	JP H09-508239 A	08-19-1997	Wyatt et al.		
	18	JP H10-186424 A	07-14-1998	Stock et al.		
	19	WO 1995020831 A1	08-03-1995	Wyatt et al.		
	20	WO 1997021124 A1	06-12-1997	Goldberg		

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
	21	English translation of office action for German Patent Application No. 19861429, original dated March 29, 2007, translation dated June 28, 2010, in 5 pages.	

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	22	Notice of opposition filed in the name of IPG Laser GmbH for German Patent DE 19861429 owned by IMRA America, Inc., dated July 15, 2010, in 1 page	
	23	Opposition brief of IPG Laser GmbH filed with Patent Office regarding German Patent DE 19861429, dated July 8, 2010, translation dated October 11, 2010, in 54 pages.	x
	24	English translation of reply by IMRA America, Inc. to Opposition of IPG Laser GmbH against German patent DE 19861429.2, dated April 28, 2011, in 20 pages	
	25	English translation of response to examination report of June 28, 2010 for German Patent App. DE 19828154.4-51, dated April 15, 2011, in 10 pages	
	26	English translation of office action for Japanese Patent Application No. H11-334914, dated December 15, 2008, in 4 pages.	
	27	English translation of filed amendments for Japanese Patent Application No. H11-334914, dated November 9, 2009, in 5 pages.	
	28	Appeal brief for Japanese Patent Application No. H11-334914, dated December 18, 2009, in 4 pages.	x
	29	Section A – Power of attorney between IPG Photonics Corporation and Masatake Shiga et al. related to Request for Invalidation of Japanese Patent No. 3,990,034 B2, dated March 4, 2010, in 2 pages.	x
	30	Section B – Demand for Trial for invalidation of Japanese Patent No. 3,990,034 B2, requested by IPG Photonics Corporation, dated May 21, 2010, in 160 pages.	x
	31	Section C – Declaration of Mariellen F. Calter in IMRA America, Inc. v. IPG Photonics Corporation, Case No. 2:06-15139, dated May 18, 2010, in 7 pages.	x
	32	Section D – Highlighted copy of M.J.F. DIGONNET, "Passive and Active Fiber Optic Components," Stanford University Ph.D. dissertation, September 1983, and Japanese translation of highlighted portions, in 216 pages.	x
	33	Section E – Highlighted copy of U.S. Patent No. 5,187,759 to DiGiovanni et al. issued February 16, 1993, and Japanese translation of highlighted portions, in 10 pages.	x
	34	Section F – Highlighted copy of WO 1995020831 A1 to Wyatt et al., published August 3, 1995, and highlighted copy of its Japanese counterpart, JP H09-508239 A, August 1997, in 60 pages.	
	35	Section G – Highlighted copy of B. DESTHIEUX et al., "111 kW (0.5 mJ) pulse amplification at 1.5 $\mu$ m using a gated cascade of three erbium-doped fiber amplifiers," Applied Physics Letters, vol. 63, no. 5, pp. 586-588, August 1993, and Japanese translation of highlighted portions, in 11 pages.	x
	36	Section H – Highlighted copy of T.F. JOHNSTON Jr., "M <sup>2</sup> concept characterizes beam quality," Laser Focus World, pp. 173-183, May 1990, and Japanese translation of highlighted portions, in 15 pages.	x
	37	Section I – Document relating to Section C (listed separately at cite no. 31), in 9 pages.	
	38	English translation of the reply in the trial for patent invalidation No. 2010-800095 for Japanese Patent No. 3,990,034 B2, dated September 27, 2010, in 26 pages.	
	39	English translation of Amendments for Japanese Patent Application No. H11-334914, dated November 29, 2010, in 3 pages.	

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	40	English translation of Appeal Brief filed by Appellant in Invalidation No. 2010-800095 regarding Japanese Patent No. 3,990,034 B2, dated December 10, 2010, in 59 pages. (Exhibits A6-A17 listed separately below).	
	41	Exhibit A6 - Highlighted copy of S.B. POOLE et al., "Fabrication of Low-Loss Optical Fibres Containing Rare-Earth Ions," Electronics Letters, vol. 21, no. 17, pp. 737-738, August 15, 1985, and Japanese translation of highlighted portions, in 4 pages.	x
	42	Exhibit A7 - Highlighted copy of W.A. GAMBLING et al., "Pulse Dispersion for Single-Mode Operation of Multimode Cladded Optical Fibres," Electronics Letters, vol. 10, no. 9, pp. 148-149, May 2, 1974, and Japanese translation of highlighted portions, in 3 pages.	x
	43	Exhibit A8 - Highlighted copy of J.M. SENIOR, "Optical Fiber Communications: Principle and Practice," pp. 41-42, 73-76, 138-144, dated 1984, and Japanese translation of highlighted portions, in 17 pages.	x
	44	Exhibit A9 - Highlighted copy of U.S. Patent No. 4,546,476 to Shaw et al., issued October 8, 1985, and highlighted Japanese translation, in 21 pages.	x
	45	Exhibit A10 - Highlighted copy of U.S. Patent No. 5,818,630 to Fermann et al., issued October 6, 1988, and Japanese translation of highlighted portions, in 21 pages.	x
	46	Exhibit A11 - Japanese Judgment Case Number 2004 (Wa) 12180 (Tokyo District Court), dated November 2, 2005, in 19 pages.	
	47	Exhibit A12 - Japanese Judgment Case Number 2006 (Ne) 10018 (Intellectual Property High Court), dated May 29, 2006, in 25 pages.	
	48	Exhibit A13 - Japanese Judgment Case Number 2005 (Gyo-Ke) 10672 (Intellectual Property High Court), dated April 17, 2006, in 35 pages.	
	49	Exhibit A14 - Highlighted copy of W.A. GAMBLING et al., "Mode Conversion Coefficients in Optical Fibers," Applied Optics, vol. 14, no. 7, pp. 1538-1542, July, 1975, and Japanese translation of highlighted portions, in 7 pages.	x
	50	Exhibit A15 - Highlighted copy of U.S. Patent No. 5,121,460 to Tumminelli et al., issued June 9, 1992, and Japanese translation of highlighted portions, in 11 pages.	x
	51	Exhibit A16 - Copy of Japanese Patent Laid-Open No. 2007-221173, dated August 30, 2007, in 20 pages.	
	52	Exhibit A17 - Highlighted copy of U.S. Patent No. 7,190,511 to Galvanauskas et al., issued March 13, 2007, in 14 pages.	
	53	Summary of Oral Hearing Statement in Invalidation No. 2010-800095 regarding Japanese Patent No. 3,990,034 B2, dated December 10, 2010, in 15 pages.	x
	54	English translation of office action for Japanese Patent Application No. 2007-146684, dated January 6, 2011, in 5 pages.	
	55	Solicitation in Invalidation No. 2010-800095 regarding Japanese Patent No. 3,990,034 B2, dated January 28, 2011, in 7 pages.	x
	56	English translation of Japanese Appeal Board Decision for Japanese Patent No. 3,990,034 B2, dated February 18, 2011, in 53 pages.	

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	<b>57</b>	H. LIN et al., "Colliding-pulse mode-locked lasers using Er-doped fiber and a semiconductor saturable absorber," Proc. Tech. Dig.: Conf. Lasers Electro-Optics (CLEO 95), JTuEI, pp. 72-73, May 1995, in 1 page	
	<b>58</b>	SNYDER, Allen et al., "Optical Waveguide Theory," Chapman and Hall, London, pp. 310-317, 1983.	

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